

## 5        **METHOD AND DEVICE FOR SANITIZING DISPOSABLE BIOCHIPS**

### **ABSTRACT OF THE DISCLOSURE**

10        Biochips, bio-analysis systems, and methods for testing and pyrolyzing a  
biological substance are disclosed. The biochips and methods of use can  
include a substrate, a region of the substrate having components being  
configured to interact with a biological substance, and a heating device  
integrated with the substrate. The heating device can be configured to generate  
heat over substantially all of the region, wherein the heat produces a  
15        temperature sufficient to pyrolyze the biological substance. The bio-analysis  
system and methods of use can include a biochip having a region configured for  
conducting a biological assay on a biological substance, and an integrated  
device including an analysis chamber and a pyrolysis chamber. The analysis  
chamber can be configured for receiving the biochip and performing a biological  
20        assay on the region within the analysis chamber. The pyrolysis chamber also  
can be configured for receiving the biochip, wherein upon applying heat to the  
region within the pyrolysis chamber, the biological substance is pyrolyzed.